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Data from Various Commercial Fisheries for Arctic Charr, *Salvelinus alpinus* (L.), in the Nunavut Settlement Area, Northwest Territories, 1989, 1991 and 1992

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ERRATUM

Carder, G.W. 1993. Data from various commercial fisheries for Arctic charr, *Salvelinus alpinus* (L.), in the Nunavut Settlement Area, Northwest Territories, 1989, 1991 and 1992. Can. Data Rep. Fish. Aquat. Sci. 910: vi + 38 p.

LIST OF ERRORS

1. Page 13. Wilson Bay winter quota should be 2 000 not 3 000

2. Page 34. Tables 40 and 41 should read; ".....by the commercial fishery at Wilson River, 1992."

Canadian Data Report of

Fisheries and Aquatic Sciences 910

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DATA FROM VARIOUS COMMERCIAL FISHERIES FOR ARCTIC CHARR, *Salvelinus alpinus* (L.), IN THE NUNAVUT SETTLEMENT AREA, NORTHWEST TERRITORIES, 1989, 1991 AND 1992

by

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ABSTRACT

Carder, G.W. 1993. Data from various commercial fisheries for Arctic charr, *Salvelinus alpinus* (L.), in the Nunavut Settlement Area, Northwest Territories, 1989, 1991 and 1992. Can. Data Rep. Fish. Aquat. Sci. 910: vi + 38 p.

Biological samples from commercially caught anadromous Arctic charr were collected during 1989, 1991 and 1992. Samples were obtained from Arrowsmith River, Baker Foreland, Becher River, Coppermine River, Ekalluk River, Ellice River, Ferguson River, Gifford River, Halovik River, Jayco River, Keith Bay, Kellett River, Kingnait Fiord, Kulgayuk River, Lauchlan River, Naqsaarluq Lake, Paliryuak River, Perry River, Port Parry, Rankin Inlet and Wilson River.

Key words: catch composition; catch statistics; commercial fishing; exploitation; fishery management; monitoring.

RÉSUMÉ

Carder, G.W. 1993. Data from various commercial fisheries for Arctic charr, *Salvelinus alpinus* (L.), in the Nunavut Settlement Area, Northwest Territories, 1989, 1991 and 1992. Can. Data Rep. Fish. Aquat. Sci. 910: vi + 38 p.

Des échantillons d'ombles chevaliers anadromes ont été prélevés en 1989, 1991, et 1992 dans les prises commerciales faites dans les endroits suivants: rivière Arrowsmith, promontoire Baker, rivière Coppermine, rivière Ekalluk, rivière Ellice, rivière Ferguson, rivière Gifford, rivière Halovik, rivière Jayco, baie Keith, rivière Kellett, fiord Kingnait, rivière Kulgayuk, rivière Lauchlan, lac Naqsaarluq, rivière Paliryuak, rivière Perry, port Parry, bras Rankin et rivière Wilson.

Mots-clés: composition des prises; statistiques sur les prises; pêche commerciale; exploitation; gestion des pêcheries; surveillance.

INTRODUCTION

The Department of Fisheries and Oceans (DFO) has monitored the commercial fishery at Cambridge Bay, Northwest Territories (NWT) since 1971 (Carder 1981, 1983, 1988, 1991; Carder and Low 1985; Carder and Stewart 1989; Kristofferson and Carder 1980) and Rankin Inlet, NWT since 1972 (Carder 1983, 1988, 1991; Carder and Peet 1983; Carder and Low 1985; Carder and Stewart 1989; MacDonell 1989). In addition, DFO has monitored the commercial fishery at Coppermine River during 1986 and 1988 (Carder 1988; Carder and Stewart 1989) at Igloolik during 1990 (Carder 1991) and at Pelly Bay during the years 1985 and 1986 (Carder 1988).

Information collected from biological samples taken from the above commercial fisheries were used to assess the status of anadromous Arctic charr stocks found there. Biological data obtained from the above commercial fisheries during 1991 and 1992 are presented in this report. In addition, samples were obtained from Port Parry in 1989. Biological data were also collected from an unnamed lake (71-12N, 72-40W) in the Clyde River area during 1991. Locally this river is called Naqsaarluq Lake.

MATERIALS AND METHODS

THE FISHERIES

The early history of the Cambridge Bay fishery is described by Barlishen and Webber (1973) and the Rankin Inlet commercial fishery by Carder and Peet (1983). Recent data and a description of the Cambridge Bay area can be found in Kristofferson and Carder (1980); Carder (1981, 1983, 1988, 1991); Carder and Low (1985); Carder and Stewart (1989). Similar information for the Rankin Inlet area can be found in Carder (1983, 1988, 1991); Carder and Peet (1983); Carder and Low (1985); Carder and Stewart (1989); MacDonell (1989) and Yonge (1987a, b).

Commercial data from the Coppermine River, Clyde River, Pangnirtung, Pelly Bay and Port Parry fisheries over the years have been limited. Historical information on quotas and harvest figures from some of these areas can be found in Yaremchuk et al. (1989). Various test fisheries have been conducted in the area over the years. This information has been used to determine the feasibility of commercially fishing specific waterbodies and has also been used to determine various quota allocations. Data collected from these test fisheries are found in Kroeker (1985); McGowan (1985, 1989) and Kristofferson and McGowan (1981). Additional information from the Coppermine area can be found in Gillman and Kristofferson (1984) and from the Pelly Bay area in Kristofferson et al. (1982).

Arctic charr were caught by gill nets with mesh sizes varying from 139 mm to 159 mm stretched measure. Fishing locations are shown in Figs. 1-8.

SAMPLING PROGRAM

Sampling methods for the Cambridge Bay and Keewatin fisheries are described in Kristofferson and Carder (1980) and Carder and Peet (1983). Fish from the Cambridge Bay fisheries were sampled during 1991 and 1992 during the following periods:

Fishery	Year	Month
Ekalluk River	1991	August (DFO commercial test sample)
	1992	August (DFO commercial test sample)
Paliryuak River	1991	July
	1992	July
Halovik River	1991	July
	1992	July
Lauchlan River	1991	July
	1992	July
Jayco River	1991	Late August and early September
Kulgayuk River	1991	August
Ellice River	1991	August
Perry River	1991	August

During 1991 the Ekalluk River was closed as a conservation measure. Fishing did not occur at Ekalluk, Jayco, Kulgayuk, Ellice and Perry rivers during 1992 because of low prices and high transportation costs. During 1991 and 1992, the Keewatin fisheries were sampled during August and early September. Various other fisheries were sampled during the following periods:

Fishery	Year	Month
Clyde	1991	April, May and June
Coppermine	1991	September
Igloolik	1992/93	December and January
Pangnirtung	1991	March

Fishery	Year	Month
Pelly Bay	1992	October
Port Parry	1989	October

Fish were randomly sampled for fork length (±1 mm) and dressed and round weight (±50 g). Sagittal otoliths were taken and stored dry in coin envelopes. In the laboratory they were ground on a fine carborundum stone and placed in benzyl benzoate for clearing before being read under a binocular dissecting microscope (30X). A reflecting light source against a black background was used to highlight the annual growth zones which were counted to determine the age. Method of ageing was according to Nordeng (1961).

DATA ANALYSIS

Data were analyzed using a Micro Vax 11 computer. The Statistical Analysis System (1985) was used to generate length, weight, age, sex and stage of maturity summaries and to perform basic calculation and statistical analysis.

Relative condition factor (K) was calculated using the formula:

$$K = \frac{W \times 10^6}{L^3}$$

where W = round weight in grams
L = fork length in centimetres

RESULTS

Quotas and harvest data are shown in Table 1. A summary of length, weight and age data from all commercial fisheries sampled during 1989, 1991 and 1992 are presented in Table 2. Production figures for the year 1991 were taken from the Annual Summary of Fish Harvest Data (DFO 1988). Biological data are presented in Tables 3 to 49. All tables of length data designate the lower boundary of the length interval (e.g. 450 indicates length interval (450 - 499 mm).

ACKNOWLEDGMENTS

The author wishes to thank the commercial fishermen of the Cambridge Bay, Coppermine, Clyde River, Gjoa Haven, Igloolik, Pangnirtung, Pelly Bay and Rankin Inlet areas for their help and cooperation. Thanks also to the staff of Ikaluktutiak Cooperative Ltd, Cambridge Bay and Issatik Food Plant, Rankin Inlet for their help and assistance.

Field assistance at Cambridge Bay was provided by D. DeChief, DFO and F. Taptuna, DFO; at Clyde by S. Sather, Renewable Resources Officer, Government of the NWT; at Coppermine by C. Adjun, Renewable Resource Officer, Government of the NWT, and J. Hunter, Renewable Resource Officer, Government of the NWT; at Igloolik by B. Parker, Renewable Resource Officer, Government of the NWT; at Pangnirtung by P. Kilabuk, DFO, and J. Evic, Renewable Resources Officer, Government of the NWT; at Pelly Bay by G. Kakkianiun, Renewable Resource Officer, Government of the NWT, and R. Morrison, Renewable Resource Officer, Government of the NWT; at Rankin Inlet by M. Keast, DFO and R. Luke, DFO; at Port Parry by L. Coady, Renewable Resource Officer, Government of the NWT and by the following commercial fishermen, namely J. Anaija, G. Konana and S. Takkiruq of Gjoa Haven, NWT.

Thanks also to G. Low, South/Central Area Management Biologist, DFO and D. Pike, Baffin/Keewatin Area Management Biologist, DFO, for their support and help.

A.H. Kristofferson provided scientific advice and H. Majewski reviewed the final draft of this report. Word processing and typing was done by K. DeCaigny.

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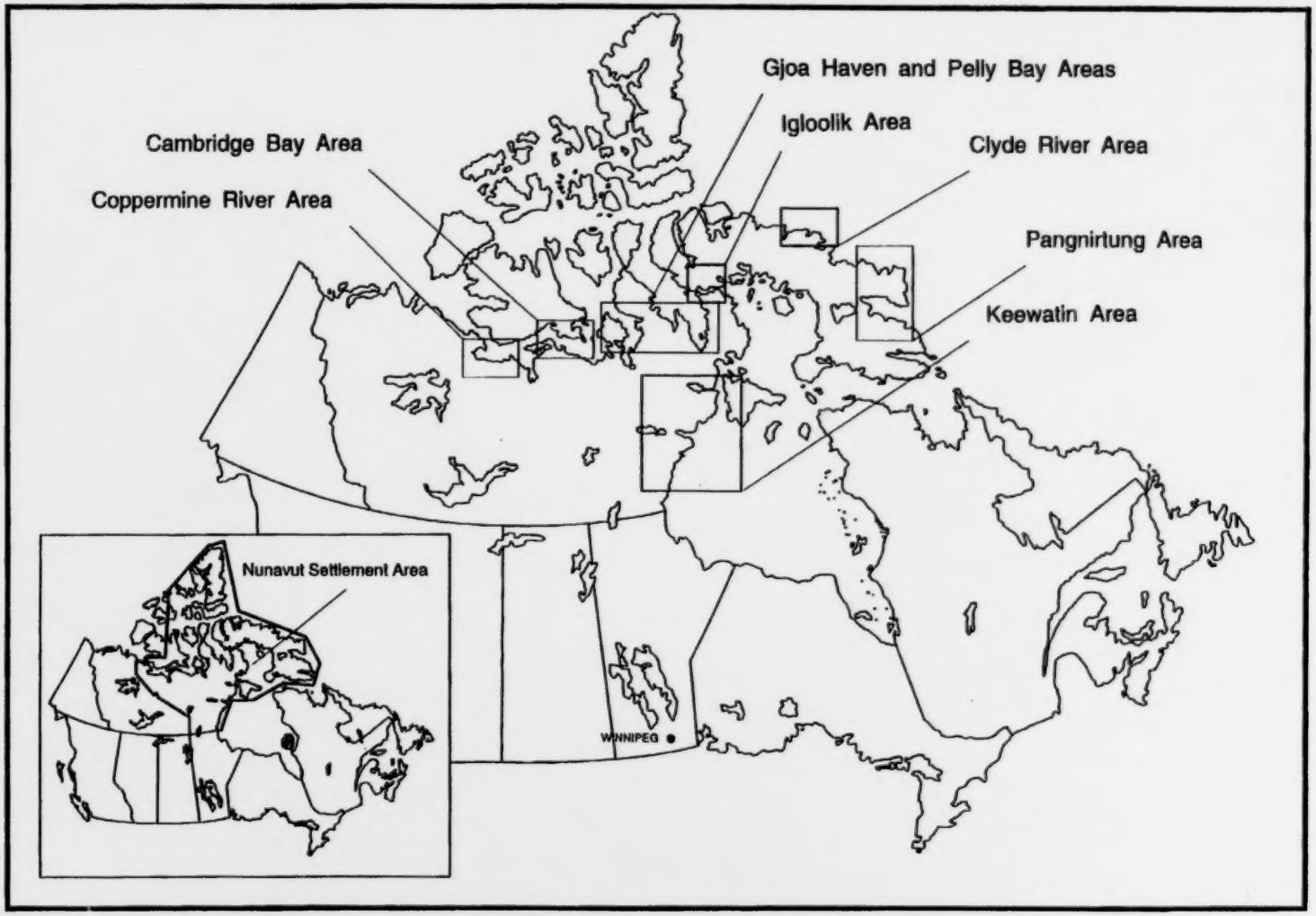

Fig. 1. Map of Canada showing commercial fishing areas for anadromous Arctic charr referred to in this report.

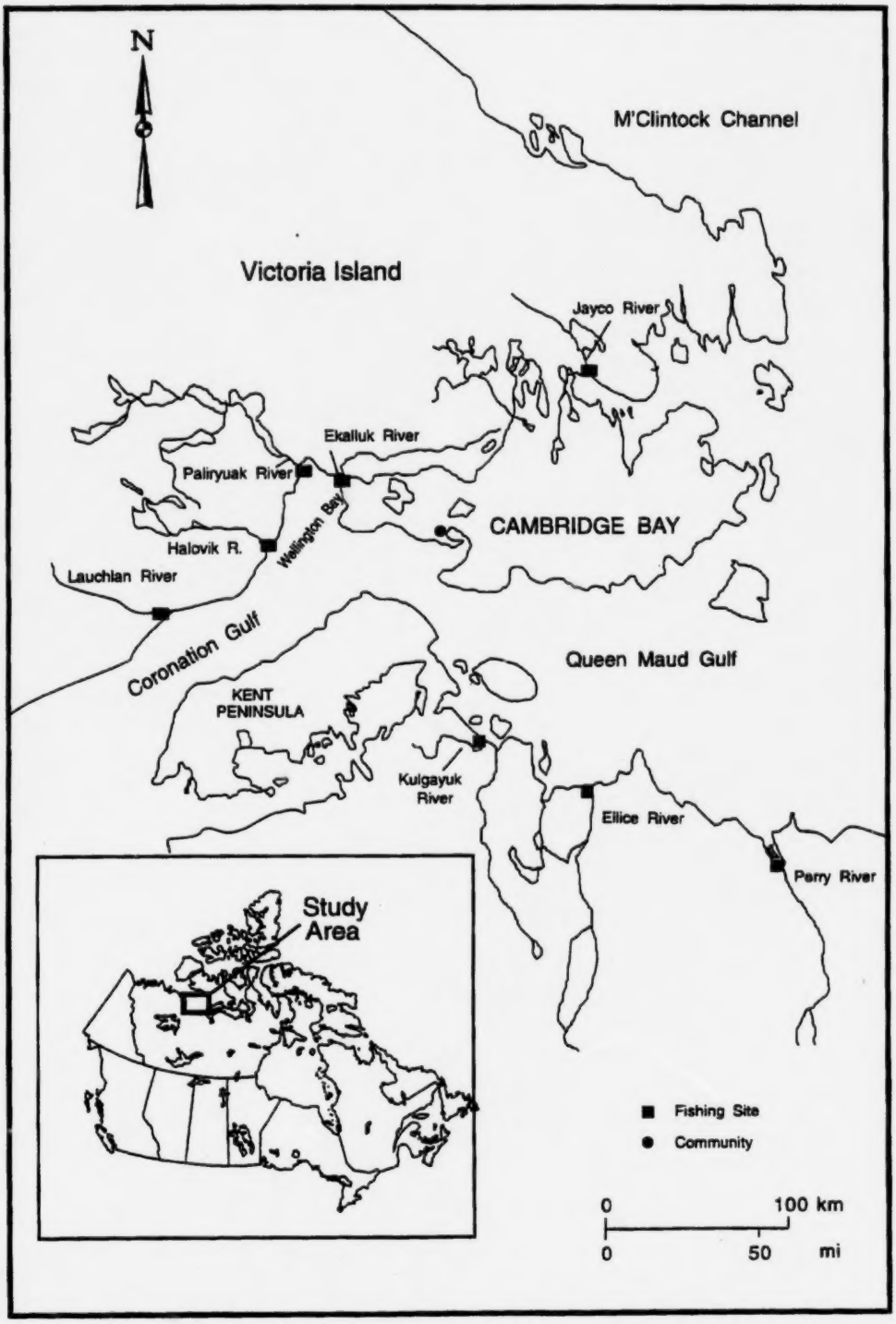

Fig. 2. Map of the Cambridge Bay area showing commercial fishing sites.

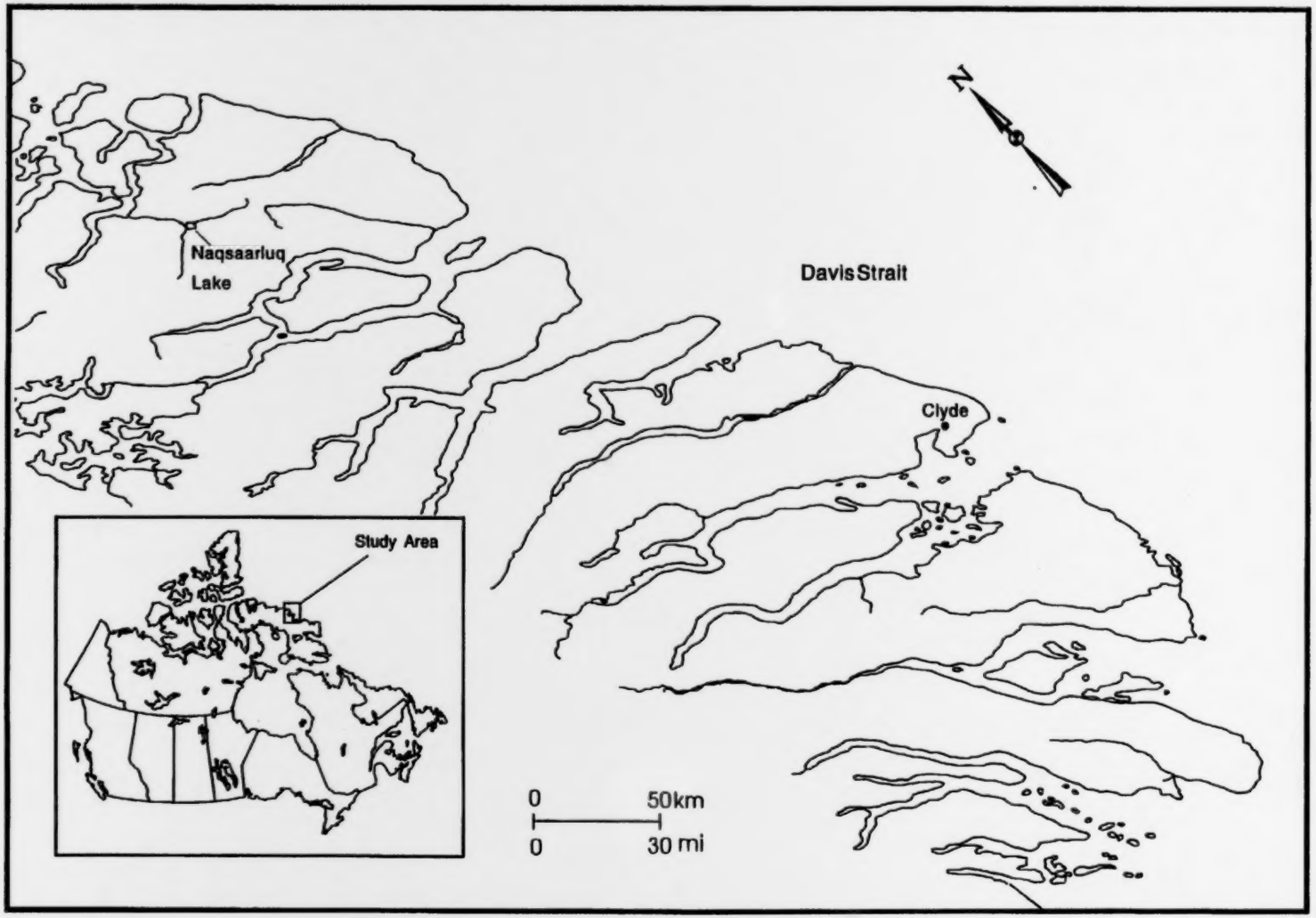

Fig. 3. Map of the Clyde River area showing Naqsaarluq Lake.

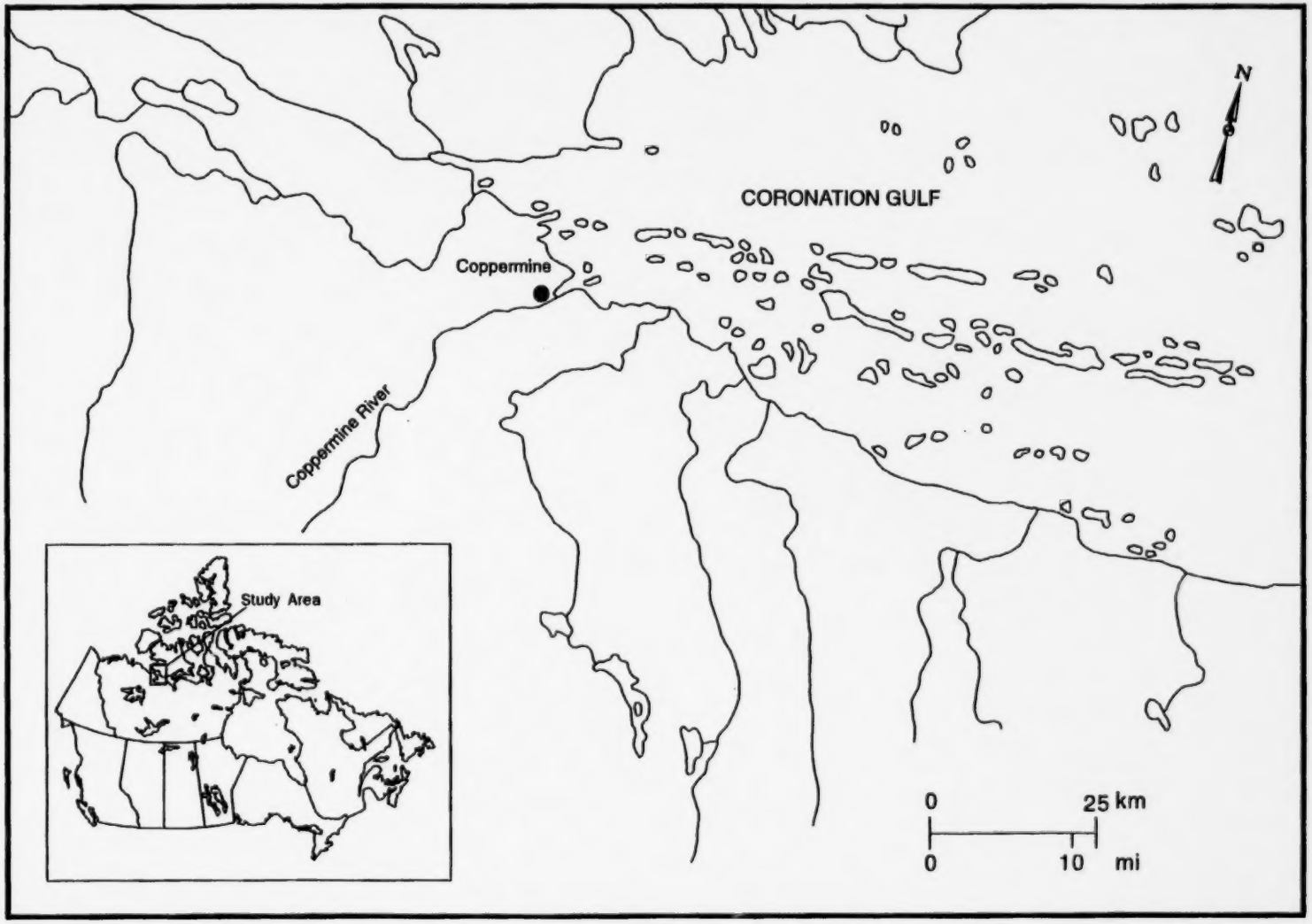

Fig. 4. Map of the Coppermine area showing Coppermine River.

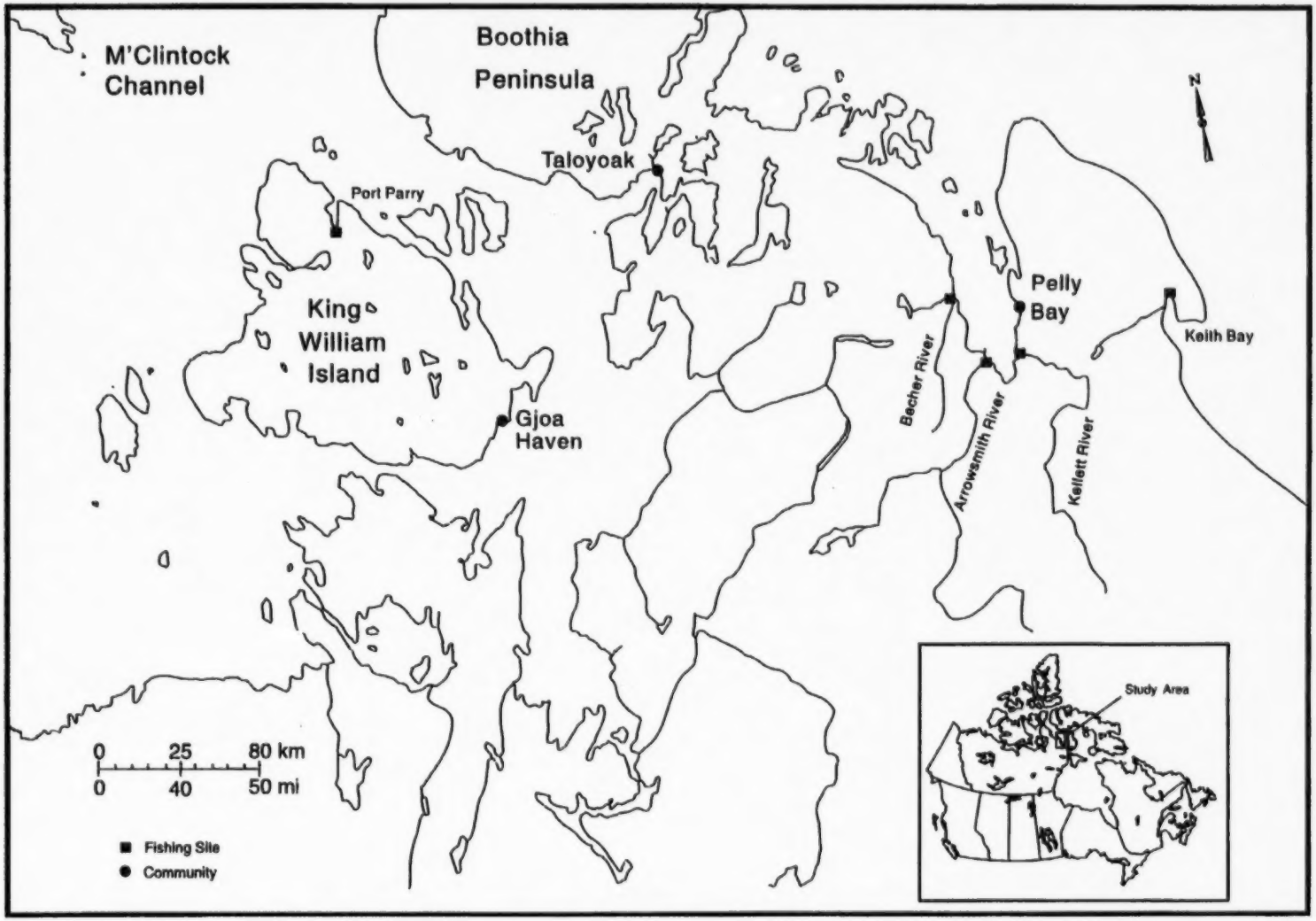

Fig. 5. Map of the Gjoa Haven and Pelly Bay areas showing commercial fishing sites.

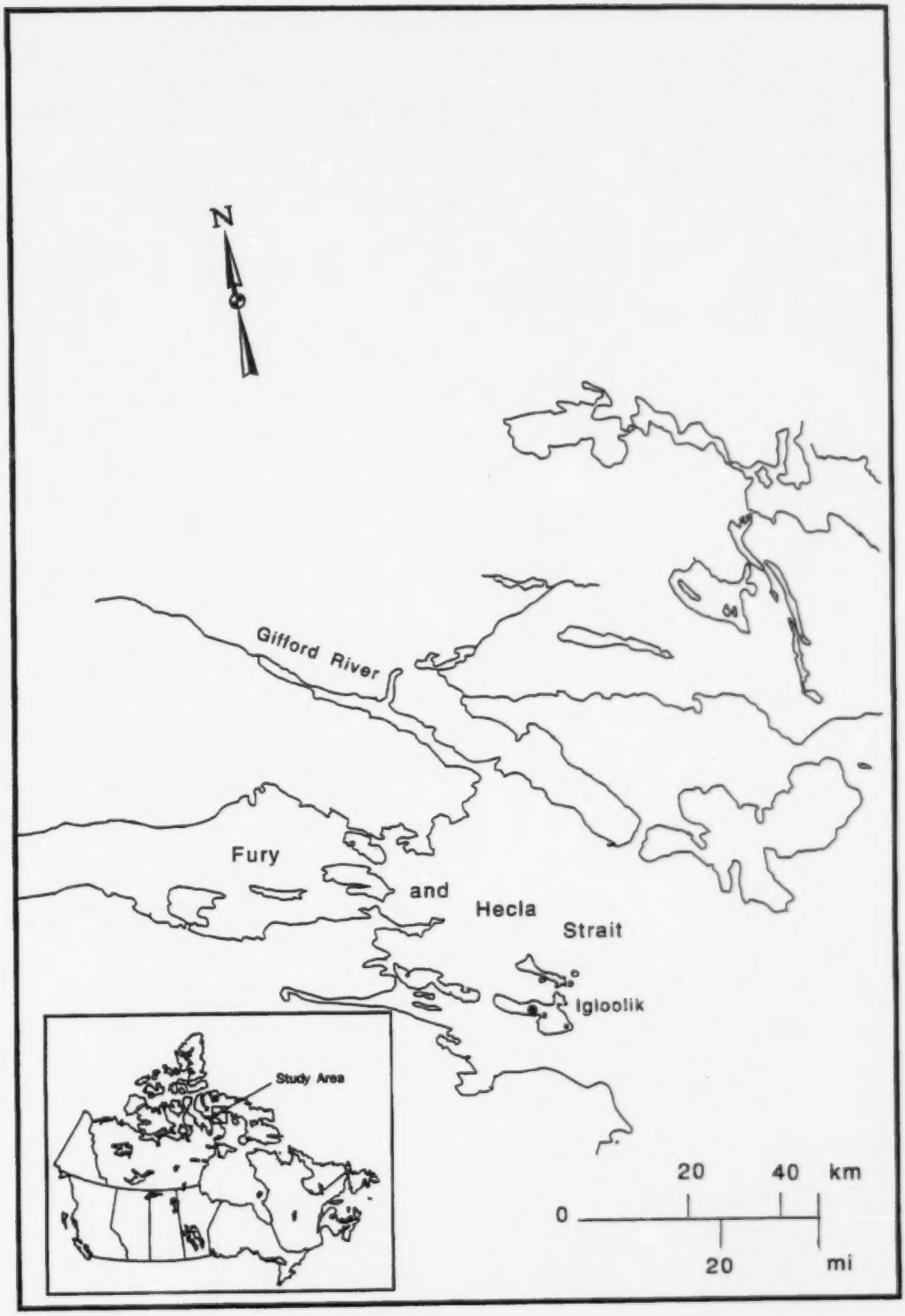

Fig. 6. Map of the Igloolik area showing the Gifford River.

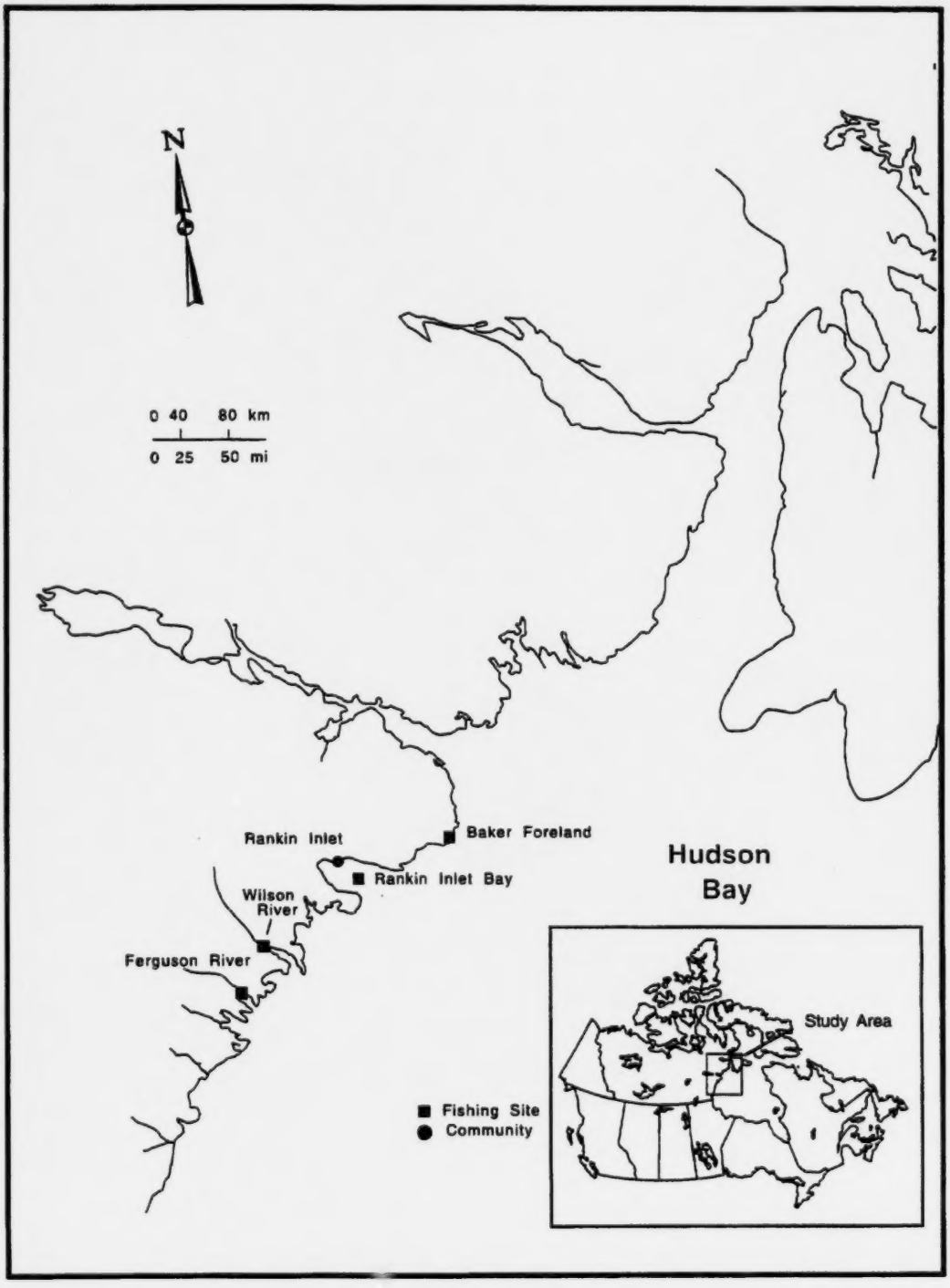

Fig. 7. Map of the District of Keewatin showing commercial fishing sites.

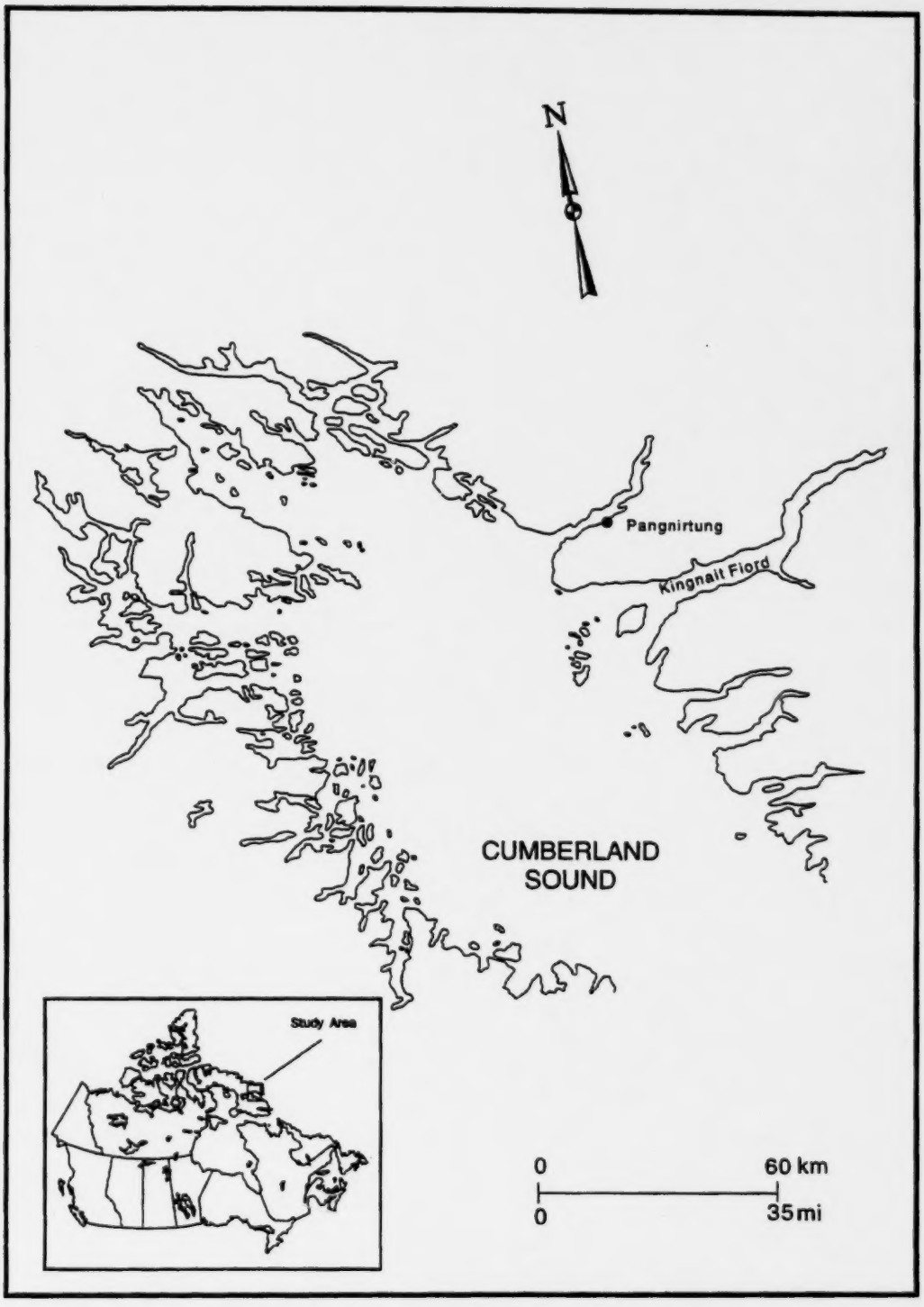

Fig. 8. Map of the Pangnirtung area showing Kingnait Fiord.

Table 1. Annual commercial quotas and harvest of anadromous Arctic charr by fishery sampled in the Northwest Territories during 1989, 1991 and 1992.

	Quota (kg)	Harvest (kg)	
	1991 and 1992	1991	1992
Cambridge Bay Area			
Ekalluk River	7 500	CLOSED	Nil
Paliryuak River (Surrey River)	9 100	8 953[1] (7 341)[2]	8 884 (7 107)
Halovik River (30 Mile)	6 800	6 354 (5 083)	6 872 (5 498)
Lauchlan River (Byron Bay)	9 100	8 807 (7 347)	9 320 (7 456)
Jayco River	15 600	2 226 (1 781)	Nil
Kulgayuk River	8 000 (1991) 4 000 (1992)	3 853 (3 082)	Nil
Ellice River	8 000	7 971 (6 377)	Nil
Perry River	6 500	601 (481)	Nil
Clyde River Area			
Naqsaarluq Lake	2 300	1 900 (1 652)	Not Known
Coppermine Area			
Coppermine River	600	581 (505)	603 (524)
Gjoa Haven Area			
Port Parry	1 000	600 (1989)[3] (522)	
		745 (648)	45 (39)
Igloolik Area			
Gifford River	3 600 (1991) 5 000 (1992)	Nil	7 321 (6 366)

Table 1. Continued.

	Quota (kg)		Harvest (kg)	
	1991 and 1992		1991	1992
Keewatin Area				
Rankin Inlet	4 000		5 500 (4 783)	1 437 (1 250)
Baker Foreland	4 600		2 648 (2 303)	1 143 (994)
Wilson Bay	8 000	(summer)	2 491 (2 166)	1 121 (975)
	3 000	(winter)	Nil	Nil
Ferguson River	13 600		4 589 (3 990)	1 014 (882)
Pangnirtung Area				
Kingnait Fiord	4 500		4 545 (3 952)	4 955 (4 309)
Pelly Bay Area				
Arrowsmith River	1 000		998 (868)	198 (172)
Becher River	1 000		808 (703)	504 (438)
Keith Bay	4 500		449 (390)	301 (262)
Kellett River	1 000		682 (593)	686 (597)

[1] Round weight in the Cambridge Bay area was calculated using a dressed weight to round weight conversion factor of 1.25 (includes estimate of culls). In all other areas the round weight was calculated using a conversion factor of 1.15 which did not include an estimate of culls.
[2] Dressed weight (viscera and gills removed).
[3] Production in 1989.

Table 2. Summary of sampling from all commercial fisheries during the years 1989, 1991 and 1992.

Location	Year	Sample Size	Mean FL[1] (mm)	Mean DRWT[2] (g)	Mean AGE (yr)	Range FL (mm)	Range DRWT (g)	Range AGE (yr)
Cambridge Bay Area								
Ekalluk River	1991	133	662	3359	11.6	515 - 843	1300 - 7100	7 - 17
	1992	67	685	3217	12.9	550 - 860	1550 - 6125	9 - 20
Paliryuak River	1991	210	678	3024	12.1	505 - 838	1100 - 6100	8 - 19
	1992	209	704	3239	13.3	581 - 854	1660 - 4950	9 - 19
Halovik River	1991	207	701	3155	12.8	588 - 827	1600 - 5200	9 - 18
	1992	210	706	3144	13.2	575 - 855	1670 - 5010	8 - 19
Lauchlan River	1991	210	705	3199	12.2	535 - 841	1450 - 5100	8 - 19
	1992	210	715	3082	13.5	525 - 839	1160 - 4995	9 - 23
Jayco River	1991	100	654	2810	15.0	525 - 770	1400 - 4900	10 - 19
Kulgayuk River	1991	209	667	3233	10.1	525 - 848	1450 - 6600	6 - 14
Ellice River	1991	211	684	4011	9.7	535 - 865	1800 - 6700	5 - 15
Perry River	1991	54	652	3632	9.9	500 - 829	1650 - 6700	6 - 14
Clyde River Area								
Naqsaarluq Lake	1991	67	653	3399 (rd)[3]	13.5	450 - 885	1000 - 6000 (rd)	8 - 18
Coppermine Area								
Coppermine River	1991	114	648	3167 (rd)	8.5	420 - 800	890 - 5300 (rd)	5 - 13
Gjoa Haven Area								
Port Parry	1989	89	635	2685 (rd)	-	428 - 745	750 - 4100 (rd)	-
Igloolik Area								
Gifford River	1992	100	709	4196 (rd)	17.7	565 - 885	1950 - 7900 (rd)	13 - 26
Keewatin Area								
Rankin Inlet	1991	136	598	2210	9.2	514 - 774	1900 - 6100	6 - 14
	1992	27	612	2120	8.8	511 - 707	1600 - 3700	7 - 14
Baker Foreland	1992	122	588	1973	8.9	448 - 760	950 - 4100	5 - 16
Wilson Bay	1992	83	645	2983	9.4	522 - 831	1600 - 6050	6 - 16
Ferguson River	1992	100	611	2524	8.3	516 - 824	1300 - 5600	5 - 13
Pangnirtung Area								
Kingnait Fiord	1991	100	542	1962 (rd)	10.8	510 - 760	1134 - 4196 (rd)	8 - 14
Pelly Bay Area								
Arrowsmith River	1992	100	612	2153 (rd)	-	520 - 742	1134 - 3969 (rd)	-
Becher River	1992	69	603	2095 (rd)	-	460 - 790	907 - 4536 (rd)	-
Keith Bay	1992	98	593	1831 (rd)	-	490 - 720	1021 - 2835 (rd)	-
Kellett River	1992	100	598	1992 (rd)	-	510 - 760	1134 - 4196	-

[1] FL = fork length.
[2] DRWT = dressed weight (gills and viscera removed).
[3] rd = round weight (gills and viscera not removed).

Table 3. Age composition of Arctic charr taken by commercial test net (139 mm) at Ekalluk River, 1991.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
7	1	1	555	-	1850	-
8	3	3	565	17	2067	176
9	13	13	590	41	2262	444
10	20	20	618	48	2733	681
11	14	14	637	54	2989	869
12	18	18	667	59	3431	853
13	17	17	707	54	4294	1074
14	6	6	676	58	3233	632
15	5	5	730	77	4250	1447
16	2	2	718	46	4275	1025
17	3	3	708	26	3517	333
TOTAL	102					
MEAN			652	68	3220	1067
MEAN AGE	11.6					

Table 4. Length composition of Arctic charr taken by commercial test net (139 mm) at Ekalluk River, 1991.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
500	4	3	518	1550	178
550	22	17	574	2098	204
600	31	23	628	2784	304
650	30	23	673	3415	392
700	33	25	717	4108	507
750	10	8	759	5050	574
800	3	2	828	6533	513
TOTAL	133				
MEAN			662	3359	1086

Table 5. Age composition of Arctic charr taken by commercial test net (139 mm) at Ekalluk River, 1992.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
9	1	2	570	-	1710	-
10	8	14	634	37	2457	434
11	10	18	632	46	2633	600
12	6	11	642	34	2686	428
13	11	19	697	50	3412	808
14	8	14	709	48	3334	578
15	7	12	743	29	3814	445
16	1	2	825	-	6125	-
17	3	5	691	13	3103	127
18	1	2	860	-	5770	-
20	1	2	800	-	4490	-
TOTAL	57					
MEAN			682	66	3165	917
MEAN AGE	12.9					

Table 6. Length composition of Arctic charr taken by commercial test net (139 mm) at Ekalluk River, 1992.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
550	7	10	574	1873	207
600	12	18	629	2566	400
650	21	31	675	3043	277
700	17	25	721	3645	555
750	6	9	772	4262	592
800	3	4	811	4822	1173
850	1	1	860	5770	-
TOTAL	67				
MEAN			685	3217	915

Table 7. Age composition of Arctic charr taken by the commercial fishery at Paliryuak River, 1991.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
8	3	2	599	41	2333	530
9	10	6	614	64	2255	683
10	20	12	627	44	2490	618
11	29	18	661	42	2764	574
12	32	20	666	48	2994	734
13	34	21	699	50	3344	750
14	22	13	703	54	3386	711
15	6	4	693	49	3183	883
16	6	4	767	59	4108	1107
17	1	1	766	-	4650	-
19	1	1	703	-	2800	-
TOTAL	164					
MEAN			673	60	3016	816
MEAN AGE	12.1					

Table 8. Length composition of Arctic charr taken by the commercial fishery at Paliryuak River, 1991.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
500	3	1	517	1233	115
550	10	5	582	2055	286
600	59	28	624	2337	236
650	60	29	675	2999	344
700	51	24	720	3528	454
750	22	10	768	4098	600
800	5	2	816	4560	940
TOTAL	210				
MEAN			678	3024	787

Table 9. Age composition of Arctic charr taken by the commercial fishery at Paliryuak River, 1992.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
9	3	2	673	29	2690	335
10	4	2	676	20	2778	265
11	26	15	662	39	2733	524
12	32	18	687	33	3085	523
13	37	21	696	37	3229	525
14	28	16	711	43	3354	633
15	21	12	727	52	3504	700
16	14	8	730	40	3538	639
17	6	3	724	65	3338	754
18	1	1	730	-	3490	-
19	2	1	761	114	3368	336
TOTAL	174					
MEAN			699	46	3194	621
MEAN AGE	13.3					

Table 10. Length composition of Arctic charr taken by the commercial fishery at Paliryuak River, 1992.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
550	2	1	589	1863	286
600	22	11	630	2326	166
650	81	39	675	2917	308
700	64	31	722	3449	405
750	31	15	770	4087	415
800	8	4	818	4301	513
850	1	0	854	3930	-
TOTAL	209				
MEAN			704	3239	661

Table 11. Age composition of Arctic charr taken by the commercial fishery at Halovik River, 1991.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
9	3	2	664	4	2677	191
10	19	12	673	40	2913	584
11	18	12	668	39	2933	596
12	35	23	682	43	3000	617
13	31	20	695	39	3158	712
14	21	14	723	45	3360	684
15	10	6	712	34	3160	626
16	14	9	742	61	3471	811
17	1	1	780	-	3700	-
18	3	2	773	58	3667	1177
TOTAL	155					
MEAN			697	49	3126	681
MEAN AGE	12.8					

Table 12. Length composition of Arctic charr taken by the commercial fishery at Halovik River, 1991.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
550	4	2	592	1900	227
600	27	13	637	2461	179
650	78	38	673	2840	326
700	59	29	723	3344	502
750	30	14	771	4010	477
800	9	4	815	4439	466
TOTAL	207				
MEAN			701	3155	690

Table 13. Age composition of Arctic charr taken by the commercial fishery at Halovik River, 1992.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
8	3	2	606	17	2025	223
9	1	1	661	-	2740	-
10	19	11	644	33	2472	399
11	19	11	672	40	2938	583
12	29	16	703	38	3106	471
13	32	18	696	33	3099	404
14	18	10	732	41	3398	697
15	29	16	733	38	3395	610
16	17	10	741	55	3446	607
17	5	3	775	50	4026	723
18	2	1	786	6	3913	718
19	3	2	788	8	3583	382
TOTAL	177					
MEAN			706	53	3151	637
MEAN AGE	13.2					

Table 14. Length composition of Arctic charr taken by the commercial fishery at Halovik River. 1992.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
550	5	2	588	1844	219
600	28	13	628	2333	265
650	53	25	677	2846	307
700	83	40	719	3291	371
750	33	16	778	3828	455
800	7	3	813	4342	361
850	1	0	855	4995	-
TOTAL	210				
MEAN			706	3144	649

Table 15. Age composition of Arctic charr taken by the commercial fishery at Lauchlan River, 1991.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
8	2	1	603	45	2250	566
9	13	8	639	46	2581	619
10	31	19	653	46	2737	645
11	23	14	676	43	2939	663
12	25	15	694	55	3112	710
13	24	15	719	46	3429	781
14	19	12	730	45	3416	671
15	14	9	738	55	3471	760
16	10	6	759	46	3755	592
17	1	1	755	-	3300	-
18	1	1	761	-	3400	-
19	1	1	825	-	3750	-
TOTAL	164					
MEAN			695	60	3123	755
MEAN AGE	12.2					

Table 16. Length composition of Arctic charr taken by the commercial fishery at Lauchlan River, 1991.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
500	1	0	535	1450	-
550	7	3	583	1886	121
600	36	17	630	2438	297
650	50	24	675	2838	379
700	62	30	725	3453	506
750	41	20	768	3782	551
800	13	6	820	4492	447
TOTAL	210				
MEAN			705	3199	766

Table 17. Age composition of Arctic charr taken by the commercial fishery at Lauchlan River, 1992.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
9	2	1	651	41	2425	318
10	10	6	625	39	2241	475
11	31	18	657	42	2641	565
12	19	11	711	32	3226	544
13	28	16	714	41	3124	604
14	25	14	714	45	3143	484
15	25	14	738	42	3259	634
16	16	9	760	49	3363	686
17	8	5	757	44	3306	693
18	6	3	765	45	3278	808
19	1	1	778	-	3175	-
21	1	1	785	-	3055	-
23	1	1	777	-	3415	-
TOTAL	173					
MEAN			710	57	3049	651
MEAN AGE	13.5					

Table 18. Length composition of Arctic charr taken by the commercial fishery at Lauchlan River, 1992.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
500	1	0	525	1160	-
550	2	1	590	2045	177
600	24	11	628	2253	172
650	60	29	677	2741	328
700	57	27	723	3170	464
750	52	25	773	3591	485
800	14	7	810	4007	467
TOTAL	210				
MEAN			715	3082	653

Table 19. Age composition of Arctic charr taken by the commercial fishery at Jayco River, 1991.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
10	2	3	599	44	1925	460
12	4	6	592	16	2125	194
13	6	9	624	76	2558	961
14	14	21	638	45	2736	468
15	15	22	677	26	3107	437
16	13	19	667	55	3058	792
17	8	12	670	20	3106	419
18	3	4	684	56	3050	912
19	2	3	708	39	2950	1061
TOTAL	67					
MEAN			655	50	2869	660
MEAN AGE	15.0					

Table 20. Length composition of Arctic charr taken by the commercial fishery at Jayco River, 1991.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
500	3	3	534	1550	50
550	13	13	576	1888	265
600	24	24	624	2483	285
650	43	43	674	3028	418
700	13	13	714	3438	390
750	4	4	765	4313	674
TOTAL	100				
MEAN			654	2810	695

Table 21. Age composition of Arctic charr taken by the commercial fishery at Kulgayuk River, 1991.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
6	1	1	615	-	2850	-
7	2	2	598	74	2400	849
8	13	10	617	42	2473	461
9	28	21	632	46	2739	635
10	40	30	650	44	3075	769
11	24	18	692	56	3556	987
12	16	12	744	44	4359	998
13	6	5	690	59	3450	817
14	2	2	685	42	3250	283
TOTAL	132					
MEAN			663	61	3195	948
MEAN AGE	10.1					

Table 22. Length composition of Arctic charr taken by the commercial fishery at Kulgayuk River, 1991.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
500	4	2	537	1713	180
550	28	13	583	2145	180
600	57	27	630	2689	332
650	56	27	670	3269	398
700	42	20	721	3816	361
750	18	9	772	4908	573
800	4	2	818	5988	457
TOTAL	209				
MEAN			667	3233	935

Table 23. Age composition of Arctic charr taken by the commercial fishery at Ellice River, 1991.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
5	1	1	535	-	1800	-
7	8	5	622	48	3156	826
8	19	13	628	47	3061	729
9	37	24	665	43	3692	846
10	40	26	686	48	4000	912
11	34	22	709	45	4391	913
12	11	7	751	48	5241	962
13	1	1	770	-	5900	-
15	1	1	685	-	4150	-
TOTAL	152					
MEAN			679	58	3939	1046
MEAN AGE	9.7					

Table 24. Length composition of Arctic charr taken by the commercial fishery at Ellice River, 1991.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
500	2	1	538	1900	141
550	14	7	587	2500	169
600	44	21	627	3036	363
650	66	31	676	3774	445
700	59	28	721	4659	541
750	20	9	769	5543	506
800	5	2	806	6540	164
850	1	0	865	6400	-
TOTAL	211				
MEAN			684	4011	1062

Table 25. Age composition of Arctic charr taken by the commercial fishery at Perry River, 1991.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
6	2	5	535	35	1875	318
7	1	2	550	-	2200	-
8	5	12	582	73	2750	924
9	9	21	625	61	3167	1019
10	14	33	647	59	3600	1079
11	4	9	700	71	4650	1580
12	4	9	667	48	3700	672
13	1	2	665	-	4000	-
14	3	7	739	30	4950	450
TOTAL	43					
MEAN			641	72	3508	1186
MEAN AGE	9.9					

Table 26. Length composition of Arctic charr taken by the commercial fishery at Perry River, 1991.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
500	3	6	506	1733	76
550	10	19	571	2345	242
600	13	24	622	2877	397
650	11	20	671	4082	361
700	12	22	718	4821	575
750	4	7	770	5163	946
800	1	2	829	6700	-
TOTAL	54				
MEAN			652	3632	1250

Table 27. Age composition of Arctic charr taken by the commercial fishery at Naqsaarluq Lake, 1991.

AGE	MALES							FEMALES							COMBINED						
		LENGTH(MM)		WEIGHT(G)			%		LENGTH(MM)		WEIGHT(G)			%		LENGTH(MM)		WEIGHT(G)			%
(YR)	N	MEAN	SD	MEAN	SD	K	MAT	N	MEAN	SD	MEAN	SD	K	MAT	N	MEAN	SD	MEAN	SD	K	MAT
8	1	450	.	1000	.	1.10	.	.	.	.	.	.	.	.	1	450	.	1000	.	1.10	.
9	1	530	.	2000	.	1.34	.	.	.	.	.	.	.	.	1	530	.	2000	.	1.34	.
10	1	570	.	2000	.	1.08	.	1	500	.	2000	.	1.60	.	2	535	49	2000	0	1.34	.
11	1	590	.	2000	.	0.97	.	.	.	.	.	.	.	.	1	590	.	2000	.	0.97	.
12	4	610	47	2800	572	1.23	.	3	637	42	3250	661	1.25	.	7	621	43	2993	606	1.24	.
13	7	612	67	2857	860	1.23	.	6	608	73	2892	920	1.25	.	13	610	67	2873	850	1.24	.
14	12	677	56	3792	775	1.22	.	1	700	.	4000	.	1.17	.	13	678	54	3808	744	1.22	.
15	9	706	87	3933	675	1.16	.	.	.	.	.	.	.	.	9	706	87	3933	675	1.16	.
16	3	680	61	3400	529	1.09	.	.	.	.	.	.	.	.	3	680	61	3400	529	1.09	.
17	2	698	81	3200	1697	0.89	.	.	.	.	.	.	.	.	2	698	81	3200	1697	0.89	.
18	1	790	.	6000	.	1.22	.	.	.	.	.	.	.	.	1	790	.	6000	.	1.22	.
TOTAL	42							11							53						
MEAN		656	83	3374	1053	1.18			614	72	3009	858	1.28			648	82	3298	1019	1.20	
MEAN AGE		13.8							12.5							13.5					

Table 28. Length composition of Arctic charr taken by the commercial fishery at Naqsaarluq Lake, 1991.

LENGTH	MALES						FEMALES						COMBINED					
INTERVAL			LENGTH(MM)	WEIGHT(G)				LENGTH(MM)	WEIGHT(G)				LENGTH(MM)	WEIGHT(G)			%	
(MM)	N	%	MEAN	MEAN	SD	K	N	%	MEAN	MEAN	SD	K	N	%	MEAN	MEAN	SD	K	FEMALE
450	1	2	450	1000	-	1.10	1	8	480	1500	-	1.36	2	3	465	1250	354	1.23	50
500	2	4	515	2000	0	1.47	1	8	500	2000	-	1.60	3	4	510	2000	0	1.51	33
550	7	13	575	2171	236	1.15	2	15	575	2375	530	1.24	9	13	575	2217	292	1.17	22
600	13	24	623	2946	405	1.22	4	31	638	3225	50	1.25	17	25	627	3012	372	1.22	24
650	13	24	665	3592	419	1.22	4	31	659	3588	425	1.25	17	25	664	3591	407	1.23	24
700	9	17	719	4244	416	1.14	1	8	700	4000	-	1.17	10	15	717	4220	399	1.14	10
750	8	15	766	5075	639	1.13	-	-	-	-	-	-	8	12	766	5075	639	1.13	-
850	1	2	885	4200	-	0.61	-	-	-	-	-	-	1	1	885	4200	-	0.61	-
TOTAL	54						13						67						
MEAN			662	3485	1074	1.18			617	3038	787	1.28			653	3399	1035	1.20	19

Table 29. Age composition of Arctic charr taken by the commercial fishery at Coppermine River, 1991.

AGE	MALES							FEMALES							COMBINED						
		LENGTH(MM)		WEIGHT(G)			%		LENGTH(MM)		WEIGHT(G)			%		LENGTH(MM)		WEIGHT(G)			%
(YR)	N	MEAN	SD	MEAN	SD	K	MAT	N	MEAN	SD	MEAN	SD	K	MAT	N	MEAN	SD	MEAN	SD	K	MAT
5	4	580	59	2075	403	1.07	0	1	550	-	1550	-	0.93	0	5	574	53	1970	421	1.04	0
6	9	574	20	2117	340	1.11	0	6	565	23	2125	340	1.17	0	15	571	21	2120	328	1.13	0
7	6	625	46	2458	759	1.00	17	9	589	15	2322	208	1.14	0	15	603	35	2377	485	1.08	7
8	5	634	28	3044	591	1.18	40	8	608	32	2594	542	1.15	0	15	621	34	2825	581	1.16	27
9	7	707	27	4221	584	1.20	100	-	-	-	-	-	-	-	9	706	31	4200	639	1.19	100
10	8	694	29	4094	435	1.23	100	2	640	14	2825	530	1.07	0	14	684	36	3689	767	1.14	85
11	12	708	43	4075	759	1.14	92	-	-	-	-	-	-	-	15	704	39	4007	690	1.14	93
12	4	753	38	4600	510	1.08	100	-	-	-	-	-	-	-	5	736	49	4280	841	1.06	100
13	1	800	-	5300	-	1.04	100	-	-	-	-	-	-	-	1	800	-	5300	-	1.04	100
TOTAL	56							26							94						
MEAN		664	70	3433	1107	1.13			592	31	2369	453	1.13			646	67	3148	1037	1.13	
MEAN AGE		8.8							7.2							8.5					

Table 30. Length composition of Arctic charr taken by the commercial fishery at Coppermine River, 1991.

LENGTH INTERVAL	MALES						FEMALES						COMBINED					
	LENGTH(MM)	WEIGHT(G)			%		LENGTH(MM)	WEIGHT(G)			%		LENGTH(MM)	WEIGHT(G)			%	
(MM)	N	MEAN	MEAN	SD	K	MAT	N	MEAN	MEAN	SD	K	MAT	N	MEAN	MEAN	SD	K	MAT
400	-	-	-	-	-	-	1	420	890	-	1.20	0	1	420	890	-	1.20	0
500	5	530	1720	189	1.16	0	1	540	1700	-	1.08	0	6	532	1717	169	1.14	0
550	12	573	2058	228	1.10	0	15	573	2150	258	1.14	0	27	573	2109	245	1.12	0
600	9	620	2619	364	1.10	11	11	614	2586	259	1.12	18	20	617	2601	302	1.11	15
650	17	671	3506	606	1.16	82	10	670	3300	361	1.10	70	27	671	3430	530	1.13	78
700	17	719	4365	489	1.17	100	5	726	4460	474	1.16	80	22	721	4386	476	1.17	95
750	9	766	4644	422	1.04	100	-	-	-	-	-	-	10	764	4645	398	1.04	90
800	1	800	5300	-	1.04	100	-	-	-	-	-	-	1	800	5300	-	1.04	100
TOTAL	70						43						114					
MEAN		663	3397	1127	1.12			620	2758	867	1.13			648	3167	1082	1.13	

Table 31. Length composition of Arctic charr taken by the commercial fishery at Port Parry, 1989.

LENGTH INTERVAL			MEAN FORK	ROUND WEIGHT(G)		
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD	K
400	1	1	428	750	.	0.96
450	1	1	468	950	.	0.93
550	15	17	579	2113	226	1.09
600	35	39	626	2543	316	1.03
650	33	37	671	3071	419	1.01
700	4	4	721	3813	225	1.02
TOTAL	89					
MEAN			635	2685	605	1.03

Table 32. Age composition of Arctic charr taken by the commercial fishery at Gifford River, 1992.

AGE	MALES							FEMALES							COMBINED						
		LENGTH(MM)		WEIGHT(G)			%		LENGTH(MM)		WEIGHT(G)			%		LENGTH(MM)		WEIGHT(G)			%
(YR)	N	MEAN	SD	MEAN	SD	K	MAT	N	MEAN	SD	MEAN	SD	K	MAT	N	MEAN	SD	MEAN	SD	K	MAT
13	1	595	.	2400	.	1.14	.	1	620	.	2850	.	1.20	.	2	608	18	2625	318	1.17	.
14	5	618	37	2590	442	1.09	.	.	.	.	.	.	.	.	5	618	37	2590	442	1.09	.
15	9	656	37	3283	701	1.16	.	3	708	60	3933	1041	1.10	.	13	672	46	3469	771	1.14	.
16	8	699	59	3863	1099	1.11	.	3	640	38	3000	361	1.14	.	11	683	59	3627	1016	1.12	.
17	3	653	46	3533	1097	1.24	.	4	660	29	3038	269	1.06	.	7	657	34	3250	712	1.14	.
18	8	703	57	3919	772	1.13	.	2	713	25	4225	389	1.17	.	12	706	49	4054	817	1.15	.
19	8	743	61	5000	1214	1.20	.	1	685	.	3800	.	1.18	.	9	736	61	4867	1204	1.20	.
20	2	822	30	6725	813	1.21	.	4	730	32	4050	736	1.03	.	8	767	48	5269	1440	1.14	.
21	3	812	63	6467	1546	1.19	.	1	760	.	4700	.	1.07	.	5	789	54	5810	1418	1.16	.
22	1	835	.	7900	.	1.36	.	.	.	.	.	.	.	.	1	835	.	7900	.	1.36	.
23	2	850	49	6650	636	1.08	.	.	.	.	.	.	.	.	2	850	49	6650	636	1.08	.
24	.	.	.	.	.	.	.	1	735	.	4350	.	1.10	.	1	735	.	4350	.	1.10	.
25	1	735	.	4650	.	1.17	.	.	.	.	.	.	.	.	1	735	.	4650	.	1.17	.
26	1	765	.	5650	.	1.26	.	.	.	.	.	.	.	.	1	765	.	5650	.	1.26	.
TOTAL	52							20							78						
MEAN		708	79	4271	1557	1.16			692	50	3665	760	1.10			706	71	4172	1407	1.15	
MEAN AGE		17.6							17.7							17.7					

Table 33. Length composition of Arctic charr taken by the commercial fishery at Gifford River, 1992.

LENGTH INTERVAL	MALES						FEMALES						COMBINED						
			LENGTH(MM)	WEIGHT(G)					LENGTH(MM)	WEIGHT(G)					LENGTH(MM)	WEIGHT(G)			%
(MM)	N	%	MEAN	MEAN	SD	K	N	%	MEAN	MEAN	SD	K	N	%	MEAN	MEAN	SD	K	FEMALE
550	3	5	583	2233	247	1.12	-	-	-	-	-	-	3	3	583	2233	247	1.12	-
600	9	15	621	2872	379	1.19	7	21	631	2957	282	1.17	16	16	626	2909	332	1.18	44
650	19	32	672	3471	582	1.14	12	36	675	3475	408	1.13	32	32	673	3467	506	1.13	39
700	11	18	723	4395	481	1.16	8	24	731	4050	450	1.03	20	20	726	4225	488	1.10	42
750	5	8	767	5120	889	1.14	6	18	760	4725	426	1.08	15	15	765	5130	751	1.15	55
800	10	17	819	6535	685	1.19	-	-	-	-	-	-	11	11	821	6595	680	1.19	-
850	3	5	865	7133	601	1.10	-	-	-	-	-	-	3	3	865	7133	601	1.10	-
TOTAL	60						33						100						
MEAN			712	4320	1538	1.16			695	3732	715	1.11			709	4196	1366	1.14	35

Tabe 34. Age composition of Arctic charr taken by the commercial fishery at Rankin Inlet, 1991.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
6	3	3	516	40	1417	333
7	10	9	544	36	1690	355
8	23	20	568	33	1934	313
9	30	27	593	41	2240	536
10	27	24	630	56	2489	635
11	14	12	632	37	2561	480
12	5	4	609	32	2190	525
14	1	1	667	-	2650	-
TOTAL	113					
MEAN			596	53	2208	573
MEAN AGE	9.2					

Table 35. Length compositions of Arctic charr taken by the commercial fishery at Rankin Inlet, 1991.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
450	2	1	476	1025	35
500	16	12	529	1643	203
550	52	38	573	1947	190
600	48	35	620	2351	287
650	14	10	675	3111	284
700	3	2	709	3480	339
750	1	1	769	4200	-
TOTAL	136				
MEAN			598	2210	546

Table 36. Age composition of Arctic charr taken by the commercial fishery at Rankin Inlet, 1992.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
7	4	19	588	38	1813	263
8	6	29	585	38	1858	356
9	6	29	625	28	2275	327
10	4	19	599	16	2038	320
14	1	5	598	-	1900	-
TOTAL	21					
MEAN			600	33	2005	347
MEAN AGE	8.8					

Table 37. Length composition of Arctic charr taken by the commercial fishery at Rankin Inlet, 1992.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
500	1	4	511	1250	-
550	13	48	585	1854	233
600	8	30	621	2156	127
650	3	11	664	2683	202
700	2	7	721	3300	566
TOTAL	27				
MEAN			612	2120	503

Table 38. Age composition of Arctic charr taken by the commercial fishery at Baker Foreland, 1992.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
5	1	1	488	-	1650	-
6	5	5	515	29	1450	316
7	21	20	536	39	1590	372
8	21	20	574	36	1821	335
9	25	24	598	34	2082	358
10	13	13	614	39	2158	397
11	9	9	609	39	1954	468
12	5	5	665	80	2760	736
13	2	2	676	23	2575	106
15	1	1	704	-	2900	-
16	1	1	682	-	2200	-
TOTAL	104					
MEAN			585	56	1945	490
MEAN AGE	8.9					

Table 39. Length composition of Arctic charr taken by the commercial fishery at Baker Foreland, 1992.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
400	1	1	448	1800	-
450	7	6	484	1129	238
500	17	14	529	1497	205
550	46	38	572	1820	200
600	32	26	616	2181	231
650	16	13	668	2588	324
700	1	1	704	2900	-
750	2	2	758	3900	283
TOTAL	122				
MEAN			588	1973	513

Table 40. Age composition of Arctic charr take by the commercial fishery at Wilson Bay, 1992.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
6	3	4	540	9	1800	150
7	17	23	576	33	2253	377
8	12	16	601	17	2342	143
9	6	8	620	27	2400	385
10	14	19	668	62	3207	1097
11	10	13	698	55	3735	1125
12	7	9	706	51	3693	819
13	4	5	750	52	4675	1156
15	1	1	701	-	4450	-
16	1	1	761	-	4350	-
TOTAL	75					
MEAN			641	72	2957	1065
MEAN AGE	9.4					

Table 41. Length composition of Arctic charr taken by the commercial fishery at Wilson Bay 1992.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
500	6	7	531	1783	191
550	22	27	584	2232	250
600	22	27	619	2411	220
650	8	10	666	2931	351
700	14	17	714	4021	401
750	9	11	764	4839	357
800	2	2	826	5700	495
TOTAL	83				
MEAN			645	2983	1081

Table 42. Age composition of Arctic charr taken by the commercial fishery at Ferguson River, 1992.

AGE			FORK LENGTH(MM)		DRESSED WEIGHT(G)	
(YR)	NO.	PERCENT	MEAN	SD	MEAN	SD
5	1	1	518	-	1500	-
6	6	7	556	17	2000	319
7	25	28	582	26	2204	290
8	27	30	609	43	2531	550
9	15	17	620	36	2687	605
10	4	4	650	31	2713	338
11	7	8	671	30	3086	943
12	2	2	669	15	2900	0
13	3	3	735	88	4167	1450
TOTAL	90					
MEAN			611	52	2533	685
MEAN AGE	8.3					

Table 43. Length composition of Arctic charr taken by the commercial fishery at Ferguson River, 1992.

LENGTH INTERVAL			MEAN FORK	DRESSED WEIGHT(G)	
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD
500	7	7	530	1621	248
550	42	42	578	2155	164
600	29	29	620	2647	266
650	18	18	673	3081	516
700	3	3	724	4233	751
800	1	1	824	5600	-
TOTAL	100				
MEAN			611	2524	672

Table 44. Age composition of Arctic charr taken by the commercial fishery at Kingnait Fiord, 1991.

AGE	MALES							FEMALES							COMBINED						
			LENGTH(MM)		WEIGHT(G)					LENGTH(MM)		WEIGHT(G)					LENGTH(MM)		WEIGHT(G)			%
(YR)	N	%	MEAN	SD	MEAN	SD	K	N	%	MEAN	SD	MEAN	SD	K	N	%	MEAN	SD	MEAN	SD	K	FEMALE
8	-	-	-	-	-	-	-	2	7	445	64	1115	516	1.21	2	3	445	64	1115	516	1.21	-
9	5	12	506	42	1706	335	1.31	1	3	530	-	1990	-	1.34	6	8	510	39	1753	321	1.31	17
10	13	30	544	39	1947	270	1.23	15	50	514	27	1629	191	1.21	28	38	528	36	1776	278	1.22	54
11	12	28	531	31	1927	308	1.28	4	13	550	24	2245	473	1.33	16	22	536	30	2006	367	1.29	25
12	6	14	587	67	2508	704	1.22	4	13	555	26	2233	314	1.30	10	14	574	54	2398	573	1.25	40
13	6	14	568	32	2167	360	1.18	2	7	540	28	1925	106	1.23	8	11	561	32	2106	327	1.19	25
14	1	2	570	-	2000	-	1.08	2	7	565	49	1950	71	1.11	3	4	567	35	1967	58	1.10	67
TOTAL	43							30							73							
MEAN			546	45	2023	429	1.24			525	40	1810	406	1.24			537	44	1936	430	1.24	41
MEAN AGE	11.0									10.7							10.8					

Table 45. Length composition of Arctic charr taken by the commercial fishery at Kingnait Fiord, 1991.

LENGTH INTERVAL	MALES							FEMALES							COMBINED						
			LENGTH(MM)	WEIGHT(G)						LENGTH(MM)	WEIGHT(G)						LENGTH(MM)	WEIGHT(G)			%
(MM)	N	%	MEAN	MEAN	SD	K	N	%	MEAN	MEAN	SD	K	N	%	MEAN	MEAN	SD	K	FEMALE
400	1	2	440	1100	-	1.29	1	2	400	750	-	1.17	2	2	420	925	247	1.23	50
450	6	11	475	1495	166	1.39	5	11	482	1502	19	1.34	11	11	478	1498	118	1.37	45
500	25	45	525	1831	214	1.26	20	45	521	1770	178	1.25	45	45	523	1804	199	1.26	44
550	16	29	566	2186	278	1.20	13	30	571	2252	341	1.21	29	29	568	2216	304	1.21	45
600	6	11	622	2302	466	0.96	5	11	606	2380	409	1.06	11	11	615	2337	421	1.01	45
650	2	4	665	3350	212	1.14	-	-	-	-	-	-	2	2	665	3350	212	1.14	-
TOTAL	56						44						100						
MEAN			545	1988	453	1.22			538	1928	427	1.23			542	1962	441	1.23	44

Table 46. Length composition of Arctic charr taken by the commercial fishery at Arrowsmith River, 1992.

LENGTH INTERVAL			MEAN FORK	ROUND WEIGHT(G)		
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD	K
500	11	11	532	1484	398	0.98
550	33	33	578	1783	203	0.92
600	31	31	617	2132	175	0.91
650	16	16	673	2686	388	0.88
700	9	9	708	3452	322	0.97
TOTAL	100					
MEAN			612	2153	604	0.92

Table 47. Length composition of Arctic charr taken by the commercial fishery at Becher River, 1992.

LENGTH INTERVAL			MEAN FORK	ROUND WEIGHT(G)		
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD	K
450	2	3	463	907	0	0.92
500	9	13	532	1448	203	0.96
550	30	43	570	1686	170	0.91
600	13	19	625	2224	220	0.91
650	7	10	665	2722	844	0.92
700	4	6	723	3771	438	1.00
750	4	6	774	4026	439	0.87
TOTAL	69					
MEAN			603	2095	839	0.92

Table 48. Length composition of Arctic charr taken by the commercial fishery at Keith Bay, 1992.

LENGTH INTERVAL			MEAN FORK	ROUND WEIGHT(G)		
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD	K
450	3	3	493	1285	364	1.07
500	13	13	522	1352	199	0.95
550	34	35	576	1724	178	0.90
600	39	40	619	1983	193	0.84
650	6	6	665	2325	156	0.79
700	3	3	707	2684	173	0.76
TOTAL	98					
MEAN			593	1831	355	0.88

Table 49. Length composition of Arctic charr taken by the commercial fishery at Kellett River, 1992.

LENGTH INTERVAL			MEAN FORK	ROUND WEIGHT(G)		
(MM)	NO.	PERCENT	LENGTH(MM)	MEAN	SD	K
500	8	8	531	1360	148	0.91
550	45	45	574	1764	142	0.93
600	37	37	618	2136	254	0.90
650	6	6	665	2533	434	0.86
700	3	3	710	3515	227	0.98
750	1	1	760	4196	.	0.96
TOTAL	100					
MEAN			598	1992	495	0.92